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A REGIONAL WATER AGENCY
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Call to Order

Board of Directors Workshop – Resources/Engineering
Tuesday, June 13, 2023

Chairperson – Director Hayes
Vice-Chair – Director Harrison



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Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.



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Public Comment

Members of the public may address the Board regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on off-agenda items except as authorized by law. Each speaker is limited to a maximum of three (3) minutes.

Discussion Item 3.1 (pg. 3)

Heather Dyer, MS, MBA - Chief Executive Office/General Manager
Kelly Malloy, MPA - Strategic Communications Manager

Institute for Watershed Resiliency Program Update

Staff Recommendation:

Staff is providing the Board of Directors (BOD) with an update on the Institute for Watershed Resiliency Program.





CALIFORNIA STATE UNIVERSITY
SAN BERNARDINO

Institute for Watershed Resiliency



- Dr. Jennifer Alford, Director
- Chair, Geography & Environmental Studies
- Associate Director of Research, CSU WATER
 - jennifer.alford@csusb.edu

The primary objectives of the IWR include:

- **Promote, develop, & sustain** activities that mitigate water-centric issues across social, economic, environmental landscapes through interdisciplinary learning, service & research.
- **Develop & facilitate** collaborative agency-university workforce and professional development opportunities for students, educators, & community resource practitioners.
- **Build, lead, & sustain** partnerships & collaborations that provide resources for IWR program focus areas.
- **Elevate best practices & innovations** that support activities to promote the equity of water resources across watershed landscapes.

Creating Community-Agency-University Feedback Loops & Resource Hub



- **Watershed Resiliency Career Pathways (WRCP)**
 - Step 1: Service Learning & Workforce Readiness (Soft Skills)
 - Step 2: Community-Centric Apprenticeships (Internships)
 - Step 3: Parallel Learning & Implementation (Research)
 - Step 4: Showcase Student Experience (Outreach)
- **Professional Development Incentive Programs (P-DIP)**
 - Student Professional Development Certificates
 - Faculty-Student-Community Research Collaboration
 - Faculty-Student-Community Field Experiences
 - K-12 & Public Environmental Education Inquiry Curriculum Development



Professional Development & Community-Based Research

Current Learning, Service & Research Opportunities

- Regional Forest & Fire Capacity Program
- Headwaters & Recreational Waters Monitoring Program
- Headwaters Resiliency Partnerships
- Urban Conservation Corp
- USFS Enterprise Program

Looking Ahead.....

- Sustain & Diversify Funding for WRCP and P-DIP
- Community College Pathways/Dual Enrollment
- Develop a Field School Program (CSUSB, CSUN, CalPoly SLO)
- Professional Certificate in Watershed Planning & Management
 - Cyber Security, Transportation, Planning, Regulatory Law & Policy
 - CEQA/NEPA, Cultural Resources, Public Health, STEM, Communications



Funding Support Examples

Tier 1 Support \$30,000

\$15,000 Support One Student Watershed Resiliency Career Pathways Fellow (WRCP)
(\$15,000/student/academic year)

\$5,000 Professional Development Incentive Program (P-DIP)
Supports Multiple Student Participation in Professional Development Opportunities.

\$4,000 Program Development Support
Planning & Development of a Field School
Planning & Development of a Watershed Planning & Management Professional Certificate

\$6,000 Field Equipment & Experiences
Supports Water Quality Monitoring Program
Student-Based Field Workforce Readiness

Tier 2 Support \$45,000

\$30,000 Support Two Student Watershed Resiliency Career Pathways Fellow (WRCP)
(\$15,000/student/academic year)

\$3,000 Professional Development Incentive Program (P-DIP)
Supports Multiple Student Participation in Professional Development Opportunities.

\$4,000 Program Development Support
Planning & Development of a Field School
Planning & Development of a Watershed Planning & Management Professional Certificate

\$8,000 Field Equipment & Experiences
Support Water Quality Monitoring Program/Student-Based Field Workforce Readiness

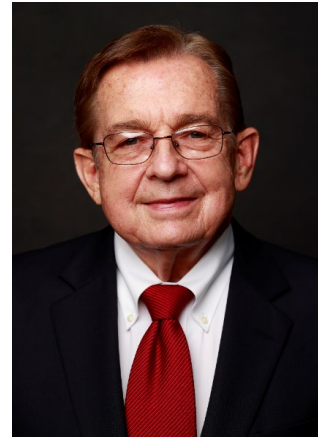
Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation:

Staff is providing the Board of Directors (BOD) with an update on the Institute for Watershed Resiliency Program.

Discussion Item 3.2 (pg. 7)

Leo Ferrando, PE, MS - Assistant Chief Engineer

Kelly Malloy, MPA - Strategic Communications Manager

Project Status Update for the Sunrise Ranch Master Plan

Staff Recommendation:

Staff is providing the Board of Directors (BOD) with an update on the project status of the Sunrise Ranch Master Plan.



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Master Plan

Progress Update

Ongoing information gathering:

- water infrastructure
- vicinity maps
- environmental conditions

01

April 18, 2023

SWA Agreement approved to begin Master Plan development

02

May 4, 2023

Master Plan project team kick-off meeting

03

June 4, 2023

Project Team site visit

04

June 22, 2023

First Community Workshop








Gathering Input: Master Plan Information Booth at 2023 Trails Day


Starting the Conversation

- Opportunities for feedback
 - June 2023
 - Fall 2023
 - Early 2024
 - Spring/ Summer 2024
- Considerations for the Master Plan can include:


 Habitat Restoration and Species Conservation


 Education Facility

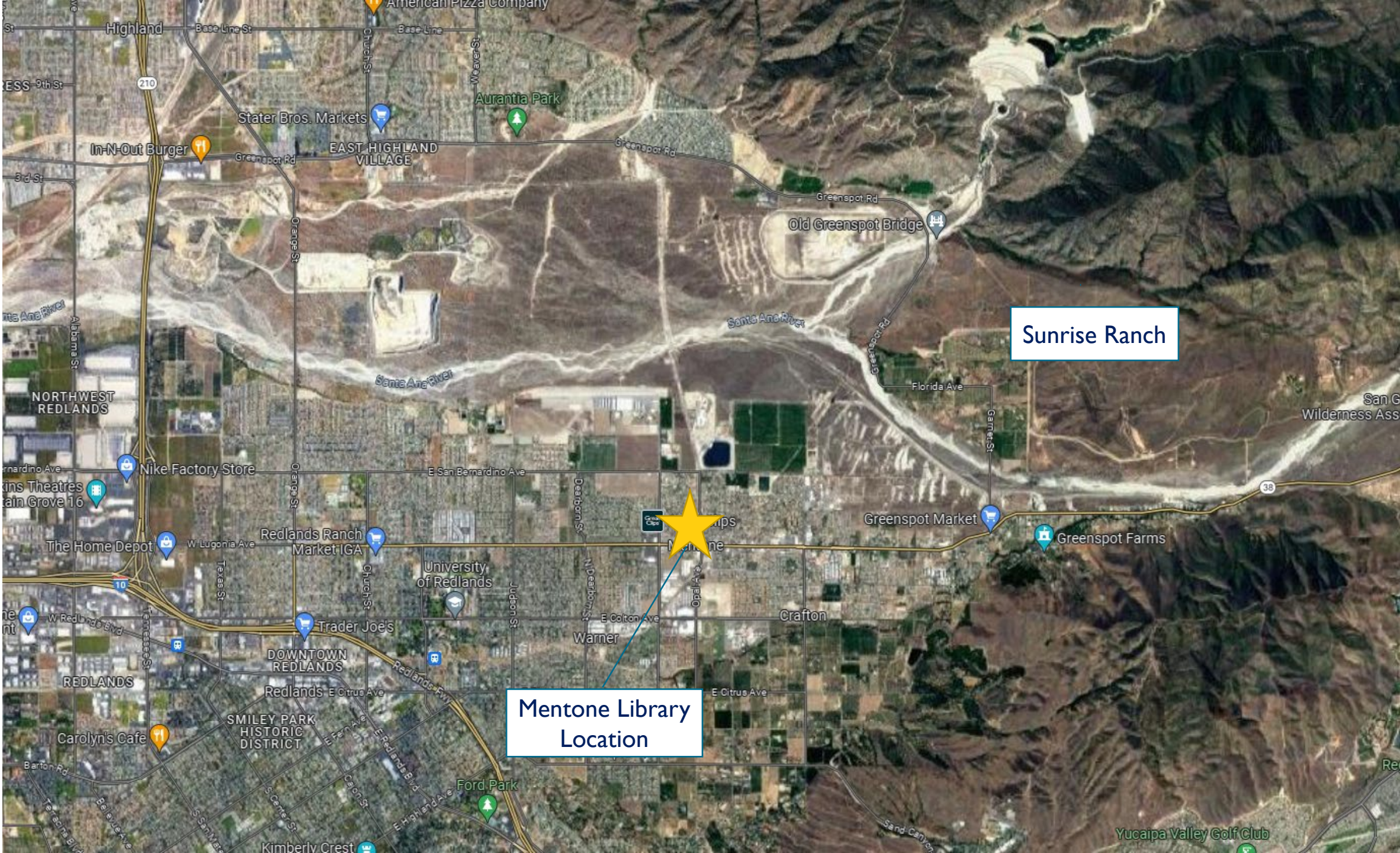
 Water Supply Infrastructure

 Open Space Preservation

 Wildfire Prevention

 Public Access and Trails

 Watershed Health



Sunrise Ranch

Mentone Library
Location

Sunrise Ranch

MASTER PLAN

In 2022, the San Bernardino Valley Municipal Water District acquired 1,658 acres of undeveloped land, which we refer to as Sunrise Ranch.

San Bernardino Valley has engaged with a group of consultants specializing in urban planning, water supply infrastructure, architectural services, and nature-based building solutions to work with the community and develop a Master Plan for this property.



SAVE THE DATE

Community Workshops

We'd love to hear from you!

Join us for a conversation to help develop the vision for this unique property.

The first of four information and public listening sessions is planned for

June 22, 2023

5:00 pm

**1331 Opal Avenue
Mentone, CA 92359**

For more information about the Master Plan process and future opportunities to provide feedback, visit the project webpage at sbvmwd.com/SunriseRanch



Workshop I

- **Date: Thursday, June 22, 2023, at 5:00 pm**
 - **Location: Mentone Senior Center and Library**
- **Event promotion**
 - Print advertising
 - Social media posts
 - Educational booths
 - Direct partner engagement
- **Topics**
 - What is a Master Plan
 - Educate on the significance of the property
 - Meet the project team

Considerations for Master Plan can include:

- Habitat Restoration and Species Conservation
- Education Facility
- Water Supply Infrastructure
- Open Space Preservation
- Wildfire Prevention
- Public Access and Trails
- Watershed Health

Engaging and Educating

- Additional information
 - Website content
 - Social media posts
 - Email updates
 - Highlight at community events
- Looking ahead
 - Workshop 2 in September/October
 - Brief welcome
 - Informational stations based on specific areas of interest

Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation:

Staff is providing the Board of Directors (BOD) with an update on the project status of the Sunrise Ranch Master Plan.

Discussion Item 3.3 (pg. 12)

Leo Ferrando, PE, MS - Assistant Chief Engineer

Wen Huang, PE, MS - Chief Operating Officer/Assistant General Manager

Consider Authorizing CEO/General Manager to execute a Professional Services Agreement with Scheevel Engineering for Engineering Consulting Services

Staff Recommendation:

Staff recommends that the Board consider taking one of the following actions:

1. Receive the information today and direct Staff to place this item on the Consent Calendar for final approval at the next regular Board of Directors' Meeting; or
2. Authorize the CEO/General Manager to execute the consulting services contract with Scheevel Engineering for Engineering Consulting Services up to an estimated fee of \$250,000.



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Background & Scope

Background:

- Current Engineering Staff
- Rely on consultants to supplement staffing needs
- Need to supplement Engineering staff

Current Ongoing Efforts by Engineering Staff:

- Master Plan, RRWD, ERP 1B, BLF, SCE Hydro facilities, etc.
- Support for Watermaster, FIRO, GC, and other WR/Planning Efforts
- Multiple construction projects planned in near future



Scheevel Engineering



- Unique expertise and qualifications
- Known and proven experience
- General design/engineering/operations on recharge basins
- Feasibility/planning for facilities for habitat development



FY22-23 Work Performed

- County Line Recharge Turnout - Completed phase 1 design
- CF - EBX Intertie - Design Underway
- Waterman Basin Cleanup - Completed engineering design plans
- Active Recharge Transfer Projects - Collaborated with SBVWCD on design concepts
- Weaver Basins - Collaborated with EVWD Design-Build Team on the design
- Redlands Pump Station - assisted in pumping tests with MWDSC



FY22-23 Work Performed (Cont'd)

- Devil Basins - Completed conceptual design for stormwater capture
- SAR Tributary Restoration Project - evaluation of chlorine removal, review of design plans
- Hidden Valley Ponds Habitat Restoration Project - preliminary evaluations
- Support Misc. Projects - ERP, Modeling, Field Testing for RNASR

Scope and Projects

- Waterman Basins (EBX) Intertie
- Devil & Sweetwater Basins
- Cactus Basin Connector
- County Line Recharge Project
- Santa Ana River (SAR) Tributaries Restoration and Hidden Valley Wetlands Project
- Central Feeder - East Branch Extension

Director Comments and Discussion



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Discussion Item 3.4 (pg. 27)

Wen Huang, PE, MS - Chief Operating Officer/Assistant General Manager

Greg Woodside, PG, CHg - Chief of Planning and Watershed Resilience

Consider authorizing the purchase of additional Article 21 water through the State Water Project (SWP) and Potential Declaration of SWP Surplus

Staff Recommendation:

Authorize the CEO/General Manager to purchase up to 10,000 acre-feet of Article 21 water in 2023, an increase of 5,000 acre-feet from the current authorization and provide feedback to staff about declaring up to 5,000 acre-feet as surplus at a future Board meeting in accordance with Ordinance No. 79.



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2023 Current Water Supply Portfolio

- **Carryover from 2022: 900 AF**
- **100% State Water Project Table A allocation: 102,600 AF**
- **Additionally, the Board authorized in March**
 - **An unbalanced exchange with CLAWA: 3,000 AF**
 - **Purchase 5,000 AF of Article 21 water: 5,000 AF**

Total: 111,500 AF

Purchase of Article 21 Water

- **District generally utilizes Article 21 water first when available and preserves some Table A water (which can be carried over to next year)**
- **On March 21, 2023, Board of Directors authorized purchase of 5,000 AF of Article 21 water, which is nearly fulfilled**
- **Staff recommends the Board authorize purchase of up to 10,000 acre-feet of Article 21 water in 2023, an increase of 5,000 acre-feet from current authorization**
 - **Additional Article 21 water will provide greater flexibility to have a higher carryover amount into 2024 and potentially declare a surplus**



2023 Facility Availability and Constraints

- **Above average precipitation in Santa Ana Watershed limited access to some basins for recharge of SWP water**
- **Recharge facilities operating at maximum capacity**
- **Santa Ana River water released from Seven Oaks Dam at rate exceeding groundwater capture and recharge capacity**
- **Construction of SARER 1-B Project may potentially limit access to all SAR Basins**



Summary of Supplies and Demands for 2023

2023 Supplies	Acre-Feet
Carryover from 2022	903
Article 21 (Currently Authorized)	5,000
Additional Article 21 (Proposed)	5,000
CLAWA Exchange	3,000
Table A (100%)	102,600
Estimated Supplies	<u>116,503</u>
2023 Deliveries	
Direct Delivery Orders	31,500
Recharge - Estimated Capacity	64,500
Total Estimated Deliveries	<u>96,000</u>
Carryover Target into 2024	15,000
Storage Balance in Kern-Delta Water Bank	3,393
Max. SWP Available for Additional Carryover or Surplus	<u>5,503</u>

Summary of Steps in Considering if Surplus SWP Water is Available

- **Workshop with Board of Directors (today)**
- **Input from BTAC on June 14 (per Ordinance No. 79)**
- **Review and possible action by Board on June 20**
- **If Board of Directors declares a surplus, then:**
 - **Pass Agency has first right to up to 5,000 AF**
 - **Remainder may be offered to Metropolitan through SB Valley-Met agreement**
 - **Need to notify Metropolitan if surplus by June 29**
 - **50% of water sold to Met goes to SARCCUP**
 - **Any sale of surplus water requires SB Valley Board approval**

Summary of Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

- **Partially funded by DWR through Prop 84**
- **Includes regional water bank, habitat improvements to support HCP, and water conservation funding**
- **Surplus SB Valley SWP sold to Met per SB Valley-Met agreement would go to SARCCUP Water Bank Partners**
 - **Western MWD**
 - **Eastern MWD**
 - **OCWD (through MWDOC)**
 - **Met pays \$125/AF plus energy cost**
- **SARCCUP parties desire to receive small amount of water this year to exercise the agreements and show performance to DWR**

Staff Recommendation:

Authorize the CEO/General Manager to purchase up to 10,000 acre-feet of Article 21 water in 2023, an increase of 5,000 acre-feet from the current authorization and provide feedback to staff about declaring up to 5,000 acre-feet as surplus at a future Board meeting in accordance with Ordinance No. 79.



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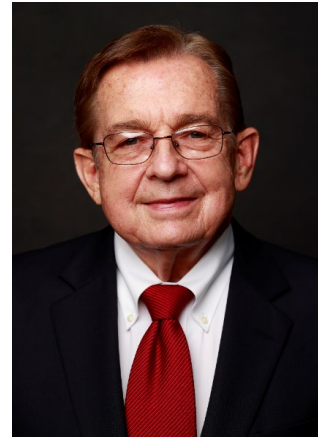
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Staff Recommendation:

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Future Business

Adjourn



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